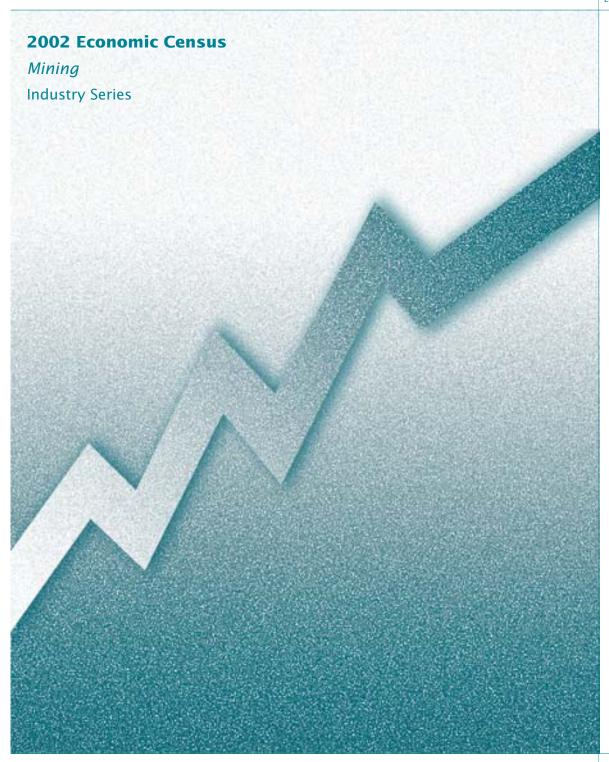
Iron Ore Mining: 2002

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-- Not applicable for this report.

Mining—Industry Series

Table 1. Historical Statistics for the Industry: 2002 and 1997

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

			All employees		Production, development, and exploration workers					
Industry and year	Com- panies ¹	All estab- lish- ments ²	For pay period including March 12	Annual payroll	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)	Value added (\$1,000)		Capital expendi- tures (\$1,000)
212210, Iron ore mining2002 1997	21 26	24 32	5 189 7 920	283 557 393 921	4 563 6 787	9 172 15 326	245 654 330 553	853 727 991 697	970 907 1 037 569	53 708 91 517

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control. ²Includes establishments with payroll at any time during the year.

Mining—Industry Series Iron Ore Mining 1

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States and Offshore Areas: 2002

[Offshore areas refer to those areas not associated with a state. States that are disclosures or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentially protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

		All establishments ²		All employees		Production, development, and exploration workers						
Industry and geographic area	E¹	Total	With 20 em- ploy- ees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)	Value added (\$1,000)		Total value of shipments and receipts for services (\$1,000)	Capital expendi- tures (\$1,000)
212210, Iron ore mining												
United States	- -	24 10	9 7	5 189 3 982	283 557 214 194	4 563 3 419	9 172 7 229	245 654 179 241	853 727 691 222	970 907 680 394	1 768 893 1 319 604	53 708 52 010

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 2–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
212210, Iron ore mining	
Companies ¹ number	21
All establishments ² . number. Establishments with 0 to 19 employees number. Establishments with 20 to 99 employees number. Establishments with 100 employees or more number.	24 15 - 9
All employees for pay period including March 12 number. Total compensation \$1,000. Annual payroll \$1,000. Annual fringe benefits not included in payroll \$1,000.	5 189 381 456 283 557 97 899
Production, development, and exploration workers for pay period including March 12number	4 563
Production, development, and exploration worker annual hours	9 172 245 654
Total cost of supplies \$1,000 Supplies used, minerals received, and purchased machinery installed \$1,000 Resales \$1,000 Purchased fuels consumed \$1,000 Purchased electricity \$1,000 Contract work \$1,000	970 907 622 473 108 243 214 056 26 135
Quantity of electricity purchased	7 164 251 -
Total other expenses \$1,000. Response coverage ratio³ percent. Communications services \$1,000. Legal services \$1,000. Accounting, auditing, and bookkeeping services \$1,000. Advertising and promotional services \$1,000. All other expenses (not included above) \$1,000.	14 951 77 324 241 D D D
Total value of shipments and receipts for services. \$1,000. Primary products value of shipments \$1,000. Secondary products value of shipments and receipts for services \$1,000. Value of resales \$1,000.	1 768 893 1 768 893 — —
Value of primary products shipments or services produced in all industries \$1,000. Value of primary products shipments or services produced in this industry. \$1,000. Value of primary products shipments or services produced in other industries. \$1,000.	1 768 893 1 768 893 -
Value added\$1,000	853 727
Total inventories, end of 2001 \$1,000. Mineral products, crude petroleum, and natural gas liquids inventories \$1,000. Supplies, parts, fuels, etc., inventories \$1,000.	169 618 83 245 86 373
Total inventories, end of 2002 \$1,000. Mineral products, crude petroleum, and natural gas liquids inventories \$1,000. Supplies, parts, fuels, etc., inventories \$1,000.	157 450 75 136 82 314
Gross book value of depreciable/depletable assets at beginning of year. \$1,000. Capital expenditures (except land and mineral rights). \$1,000. Capital expenditures for buildings, structures, machinery, and equipment (new and used) \$1,000. Capital expenditures for mineral exploration and development \$1,000. Capital expenditures for mineral land and rights. \$1,000. Deductions from depreciable/depletable assets during year \$1,000. Gross book value of depreciable/depletable assets at end of year \$1,000.	1 916 680 53 708 D D D D D 1 957 780
Total depreciation/depletion charges during year\$1,000	133 449
Total rental payments during year \$1,000. Buildings and other structures \$1,000. Machinery and equipment. \$1,000.	47 519 26 47 493
Lease rents\$1,000	67 409
Expensed mineral exploration, development, land, and rights	73 057

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³A response coverage ratio is derived for this item by calculating the ratio of the employment for those establishments that reported this item to the total employment for all establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class			All emp	oloyees	Production, d	evelopment, ar workers	d exploration	Value added (\$1,000)			
		All estab- lish- ments ²	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)		Total cost of supplies (\$1,000)	Total value of shipments and receipts for services (\$1,000)	
212210, Iron ore mining											
All establishments	-	24	5 189	283 557	4 563	9 172	245 654	853 727	970 907	1 768 893	53 708
0 to 4 employees	8 5 7 -	8 5 2 -	23 36 b	876 1 701 D -	14 31 D -	29 65 D	657 1 426 D -	2 765 9 610 D -	1 284 2 493 D -	3 735 11 467 D -	314 636 D
50 to 99 employees 100 to 249 employees 250 to 499 employees 500 to 999 employees 1,000 to 2,499 employees 2,500 employees or more	9	1 5 2 1	- c aaa	D D D	D D D D	D D D	D D D	_ D D D	D D D D	D D D D	D D D D
Administrative records ³	9	11	48	2 167	37	80	1 723	7 293	3 326	9 669	950

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent or more.

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Type of Operation: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

	All establishments ¹		All employees		Production,	development, and workers			
Industry and type of operation	Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)	Value added (\$1,000)	Total value of shipments and receipts for services (\$1,000)
212210, Iron ore mining									
All establishments Producing establishments Mines or wells only Underground mines Open-pit mines Combination mines, well operations, or other types of mines.	24 24 16 - 16	9 9 1 - 1	5 189 5 189 215 - 215	283 557 283 557 12 783 - 12 783	4 563 4 563 193 193	9 172 9 172 418 - 418	245 654 245 654 12 106 12 106	853 727 853 727 46 277 - 46 277	1 768 893 1 768 893 62 428 62 428
Mines with preparation plants	7 - 7 -	7 - 7 -	h - h -	D - D -	D - D -	D - D -	D - D -	D - D	D - D -
Separately operated preparation plants	1 -	1_	e -	D _	D -	D -	D -	D _	D _
Nonproducing establishments	-	-	-	_	-	-	_	_	_

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

¹Includes establishments with payroll at any time during the year. ²Includes data for establishments that were not possible to classify based on information available.

Table 6a. Products or Services Statistics: 2002 and 1997

[Includes quantity and value of products or receipts for services of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product or service	Product or service		Product shipments or receipts for services		
code	Floudet of Service	Quantity of production for all purposes	Quantity	Value (\$1,000)	
212210	Iron ore mining	X	X	1 768 893 1 915 930	
2122101	Crude iron ore	X	X	77 482 D	
21221011	Crude iron ore	X X	X X	77 482	
2122101111	Direct-shipping crude iron ore	D 2.6	D 2.4	D 20 258	
2122101121	Crude iron ore for treatment, concentration, etc	D 209.2	D D	20 238 D D	
2122103	Iron ore concentrates and agglomerates	×	X	1 680 304 1 838 537	
21221031	Iron ore concentrates and agglomerates	X X	ŝ	1 680 304 1 838 537	
2122103111	Iron ore concentrates (including washed material) for consumptionmil metric tons2002	ĝ	Ô	1 636 537 D 17 768	
2122103121	Iron ore concentrates (including washed material) for agglomeration plants not at blast furnaces	.4 D	.4 _	-	
2122103131	1997 Iron agglomerates (pellets, sinter, briquets, and other)mil metric tons2002 1997	61.7 D 61.0	D 60.4	D 1 820 769	
212210W	Iron ore mining, nsk	X	X	11 107	
212210WY	1997	X	X	11 10 <u>7</u>	
212210WYWT	1997 Iron ore mining, nsk	X X X	X X X	D 11 107 D	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Product Class Shipments or Receipts for Services for Selected States and Offshore Areas: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Product or service class code	Product or service class and geographic area	Value of product shipments or receipts for services (\$1,000)
2122101	Crude iron ore	
	United States	77 482
	Minnesota	76 961 N
2122103	Iron ore concentrates and agglomerates	
	United States	1 680 304
	Minnesota	1 838 537 1 241 369 N

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Selected Supplies, Minerals Received for Preparation, Purchased Machinery, and Fuels Consumed by Type: 2002 and 1997

[Includes quantity and cost of supplies and fuels consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Supply or fuel code	Supply or fuel consumed	Quantity	Delivered cost (\$1,000)
212210	Iron ore mining		
	Supplies consumed by type		
21221001	Crude iron ore, received for concentration	D D	D
21221003	Crude iron ore, produced and concentrated at same establishmentmil metric tons (wet basis)2002	164.3	X
21221007	Iron ore concentrates, produced and agglomerated at same establishmentmil metric tons (dry basis)2002	196.8 46.9	D X X X X
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment	61.0	X D
	installed at the operation	X	51 661
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	х	D
21232009	Bentonite and other clay nonmetallic minerals	X X	126 611 D
32500073	Industrial chemicals (chemical reagents, calcium chloride, etc.) excluding explosive materials	Х	34 043
	and blasting accessories	X X	D 32 366
32592013	Explosive materials (excluding ammonium nitrate) and blasting accessories	X	D
32592005	1997 Ammonium nitrate	X X	17 529 D
32621001	Tires and inner tubes	X X	18 725 D
33151003	Iron and steel castings	X X	D 6 664
33211101	Iron and steel forgings	X X	61 144 D
33120059	Steel shapes and forms (excluding castings and forgings)	X X	36 998 3 382
	1997	X	D
00970098	All other supplies	X X	122 964 104 590
00973000	Undistributed minerals, purchased machinery, parts, attachments, and supplies used	X	6 531 2 521
	Fuels consumed by type		
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel	81.0	3 815
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel	D 597.7	D 23 886
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel	910.7 D	24 505 D
21111015	Gas (natural, manufactured, and mixed) used as a fuel	P22.1	72 998
32411015	1997 Gasoline used as a fuel	34.3 D	80 835 D
00960018	Other fuels (liquefied petroleum gas, coke, wood, etc.)	1.4 X	1 296 4 597
00974000	1997 2002 1997	X X X	5 340 1 460 D

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.